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10/772,742	02/04/2004	Atsushi Shibutani	04081/LH	9563
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EXAMINER QUIETT, CARRAMAH J				
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**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

# Office Action Summary

**Application No.**

10/772,742

**Applicant(s)**

SHIBUTANI ET AL.

**Examiner**

Carramah J. Quiett

**Art Unit**

2622

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 09 April 2009.  
2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.  
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-7, 11-25, 32 and 33 is/are pending in the application.  
4a) Of the above claim(s) 3, 4, 6, 12, 14-19, 24 and 25 is/are withdrawn from consideration.  
5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.  
6) ☒ Claim(s) 1, 2, 5, 7, 11, 13, 20-23, 32 and 33 is/are rejected.  
7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.  
8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.  
10) ☒ The drawing(s) filed on 02/04/2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☒ All b) ☐ Some \* c) ☐ None of:  
1. ☒ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☐ Notice of References Cited (PTO-892)  
2) ☐ Notice of Draftsperson's Final Drawing Review (PTO-849)  
3) ☒ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_  
4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_\_  
5) ☐ Notice of Informal Patent Application  
6) ☐ Other: \_\_\_\_\_

**DETAILED ACTION**

***Continued Examination Under 37 CFR 1.114***

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(c), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(c) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 04/09/2008 has been entered.

***Response to Amendment***

2. The amendment(s), filed on 04/09/2008, have been entered and made of record. Claims 1-7, 11-25, 32 and 33 are pending.

***Response to Arguments***

3. Applicant's arguments filed 04/09/2008 have been fully considered but they are not persuasive.

The Applicant asserts that Borden does not disclose the limitations of claims 1, 32, and 33. The Examiner respectfully disagrees. On page 2, paragraphs [0018]-[0023], Borden teaches selecting and viewing one or more images according to how the user wishes to organize the viewing/grouping of images. Therefore, the displaying of images can be limited or not limited according to the user's preferences by utilizing the selection region 28. As shown in figure 1, the claimed display controls are all maintained while displaying the other photographed image data in the selected display area.

Similarly, the Applicant asserts that Borden does not disclose the limitations of claim 23. The Examiner respectfully disagrees. On page 2, paragraphs [0018]-[0023], Borden teaches selecting and viewing one or more images according to how the user wishes to organize the viewing/grouping of images. Therefore, the displaying of images can be limited or not limited according to the user's preferences by utilizing the selection region 28. As shown in figure 1, the claimed display controls are all maintained while displaying the other photographed image data in the selected display area.

Accordingly, the rejections to claims 1-7, 11-25, 32 and 33 are maintained.

#### ***Information Disclosure Statement***

4. The information disclosure statement (IDS), filed on 08/06/2008, has been placed in the application file, and the information referred to therein has been considered as to the merits. The Examiner would like to thank the Applicant for pointing out that the NPL document was not initiated in the previous Office Action. Please note that the IDS, filed on 08/06/2008, now properly indicates that all references have been considered.

#### ***Claim Objections***

5. **Claim 1** is objected to because of the following informalities: The limitations on lines 16 and 18-19 of claim 1 are recited as, "selected display area all of photographed image data..." and "a third display control unit configured to limit a number of photographed image data". The phrase, "photographed image data" is mentioned in the preamble as well as other lines prior to lines 16 and 19. Respectfully, please change these limitations to "selected display area all of the

photographed image data...” and “a third display control unit configured to limit a number of the photographed image data”. Appropriate correction is required.

6. **Claim 20** is objected to because of the following informalities: Lines 6-7 of claim 20 recites the limitation “...a plurality of photographed image data including photographed image data...” Claim 20 depends from independent claim 1. The phrase, “photographed image data” is mentioned in throughout claim 1. If the Applicant is referring to the same “photographed image data” of claim 1. Respectfully, please change line 6-7 of claim 20, to “...a plurality of photographed image data including the photographed image data...” Appropriate correction is required.

7. **Claim 23** is objected to because of the following informalities: The limitations on lines 15-16 and 18 of claim 23 are recited as, “a second display control unit configured to limit a number of photographed image data” and “photographed image data from among all of photographed image data”. The phrase, “photographed image data” is mentioned in lines prior to lines 15-16 and 18. Respectfully, please change these limitations to “a third display control unit configured to limit a number of the plurality of photographed image data” and “photographed image data from among all of the plurality of photographed image data”. Appropriate correction is required.

8. **Claim 32** is objected to because of the following informalities: **Claim 32** is an image reproduction method claim corresponding to an image reproduction apparatus claim 1. Therefore, claim 32 is analyzed and objected to as previously discussed with respect to claim 1. Appropriate correction is required.

9. **Claim 33** is objected to because of the following informalities: **Claim 33** is a computer readable medium having recorded thereon a computer readable program for controlling an image reproduction apparatus claim corresponding to an image reproduction apparatus claim 1. Therefore, claim 33 is analyzed and objected to as previously discussed with respect to claim 1. Appropriate correction is required.

***Claim Rejections - 35 USC § 102***

10. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

11. **Claims 1-2, 5, 7, 20, 21, 23, 32, and 33** are rejected under 35 U.S.C. 102(e) as being anticipated by Borden, IV (US Pat. App. Pub. #20020140820 – herein referred to as Borden).

For **claim 1**, Borden discloses an image reproduction apparatus (pg. 1, [0015]) which is connectable to a memory (pg. 1, [0015]-[0016]) configured to record photographed image data and photographing information of the photographed image data in association with each other (pg. 1, [0015]-[0016]), the image reproduction apparatus comprising:

a display (fig. 1, ref. 12; pg. 1, [0016]);

a first display control unit (28, user selecting desired date ranges via a selection region on a monitor of a personal computer) configured to set a given number of display areas (a subdivided calendar, 14A-14G) on the display, the display areas each being assignable to one of a plurality of different image groups (dates/months – see figs. 1-2; pgs. 1-2, [0016]-[0019]);

a display area selection unit (28) configured to select from among the display areas (by categories such as year, month, day, album or a custom selection), based on the photographing

information recorded in the memory, a display area (such as 14G) to which an image group including the photographed image data recorded in the memory is assigned (pg. 2, [0018]-[0021]);

a second display control unit configured to display in the selected display area all of photographed image data (22) of the image group assigned to the selected display area (pg. 2, [0018]-[0021]);

a third display control unit configured to limit a number of photographed image data, from among the all of the photographed image data, to be simultaneously displayed in the selected display area to a predetermined number (see 12 in fig. 1; pg. 2, [0018]-[0022]); and

a fourth display control unit configured to display other photographed image data that is from among the all of the photographed image data of the image group assigned to the selected display area and that is not included within the predetermined number, by changing the predetermined number of photographed image data simultaneously displayed in the selected display area, while maintaining display control of the first, second and third display control units thereby continuously displaying, in the selected display area selected by the display area selection unit from among the given number of display areas on the display, the other photographed image data (see 14G in fig. 1; pg. 2, [0018]-[0021]).

For **claim 2**, Borden discloses the apparatus according to claim 1, wherein the photographing information comprises information representing photographing time of the photographed image data (pg. 2, [0018]-[0021]).

For **claim 5**, Borden discloses the apparatus according to claim 1, wherein the third display control unit includes an image selection unit configured to select the predetermined

number of photographed image data having earlier photographing times, and a selected image display control unit configured to simultaneously display, in the selected display area, the predetermined number of photographed image data selected by the image selection unit (pg. 2, [0018]-[00232]).

For **claim 7**, Borden discloses the apparatus according to claim 1, wherein the third display control unit limits the predetermined number of photographed image data to be simultaneously displayed in the selected display area to one (see fig. 1; pg. 2, [0018]-[0023]).

For **claim 20**, Borden discloses the apparatus according to claim 1, further comprising a display area designation unit configured to designate an arbitrary display area of the given number of display areas (see fig. 1, 60; pg. 2, [0018]-[0021]), and

a fifth display control unit configured to simultaneously display, on the display, a plurality of photographed image data including photographed image data which are limitable by the third display control unit and are not displayed, in the arbitrary display area designated by the display area designation unit (see fig. 1; pg. 2, [0018]-[0025]).

For **claim 21**, Borden discloses the apparatus according to claim 20, further comprising an image selection unit configured to select arbitrary photographed image data from the plurality of photographed image data simultaneously displayed on the display by the fifth display control unit (pg. 2, pgphs. 0022-0025).

a sixth display control unit configured to display, on the display, an enlarged image (64) of the photographed image data selected by the image selection unit (pg. 2, pgphs. 0022-0025).



For **claim 23**, Borden discloses an image reproduction apparatus (pg. 1, [0015]) which is connectable to a memory (pg. 1, [0015]-[0016]) configured to record a plurality of photographed image data (pg. 1, [0015]-[0016]), the image reproduction apparatus comprising;

a display (fig. 1, ref. 12; pg. 1, [0016]);

a classification unit (personal computer via the selection region 28 in fig. 1) configured to classify the plurality of photographed image data recorded in the memory into a plurality of different groups in accordance with a predetermined condition (dates/months – see figs. 1-2; pgs. 1-2, [0016]-[0021]);

a first display control unit configured to display, on the display, all of the plurality of the photographed image data classified into the plurality of different groups by the classification unit see (10 in fig. 1; pg. 2, [0017]-[0023]);

a second display control unit configured to limit a number of photographed image data to be simultaneously displayed in each group to a predetermined number (see 12 in fig. 1; pg. 2, [0018]-[0023]); and

a third display control unit configured to sequentially display other photographed image data from among all of photographed image data included in each group and not displayed within the predetermined number of simultaneously displayed photographed image data, by changing the predetermined number of photographed image data simultaneously displayed in each group, while maintaining the display control of the first and second display control units thereby continuously displaying on the display all of the other photographed image data included in each group (see 14G in fig. 1; pg. 2, [0018]-[0023]).

**Claim 32** is an image reproduction method claim corresponding to an image reproduction apparatus claim 1. Therefore, claim 32 is analyzed and rejected as previously discussed with respect to claim 1.

**Claim 33** is a computer readable medium having recorded thereon a computer readable program for controlling an image reproduction apparatus claim corresponding to an image reproduction apparatus claim 1. Therefore, claim 33 is analyzed and rejected as previously discussed with respect to claim 1.

***Claim Rejections - 35 USC § 103***

12. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

13. **Claims 11 and 13** are rejected under 35 U.S.C. 103(a) as being unpatentable over Borden, IV (US Pat. App. Pub. #20020140820) in view of Rothmuller et al. (Pat. App. Pub. #20020033296– herein referred to as Rothmuller) and Anderson (U.S. Pat. #6,118,480 – herein referred to as Anderson).

For **claim 11**, Borden discloses the apparatus according to claim 1 further comprising a display area designation unit configured to designate an arbitrary display area of the predetermined given number of display areas (see fig. 1; pg. 2, [0018]-[0021]). Borden additionally teaches the ability for a user to more closely examine the contents of an image file selected from the thumbnail views (see fig. 1; pg. 2, [0021]). However, Borden does not expressly teach an image processing unit configured to execute predetermined image processing

at once for a plurality of photographed image data to be displayed in the arbitrary display area designated by the display area designation unit.

In a similar field of endeavor, Rothmuller discloses a display area designation unit configured to designate an arbitrary display area of the predetermined number of display areas (pg. 2, pgphs. 0018-0024). On pg. 2, pgph. 0024, Rothmuller discloses that metadata associated with a photo can be viewed and edited at once for a plurality of photographed image data included in the group designated by the group designation unit. Also, please see fig. 2. In light of the teaching of Rothmuller, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the apparatus of Borden with the apparatus as recited in claim 11 in order to provide an apparatus with an improved means for storing and retrieving digital photographs and photographic information (Rothmuller, pg. 1, 0003-0006). However, Rothmuller does not expressly disclose an image processing unit configured to execute predetermined image processing.

In a similar field of endeavor, Anderson discloses an image processing unit (fig. 3) configured to execute predetermined image processing (col. 5, line 63 – col. 6, line 11; col. 8, lines 36-52; fig. 9). In light of the teaching of Anderson, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the apparatus of Borden as modified by Rothmuller with the apparatus of Anderson. This modification provides another means for accessing and viewing images (Anderson, col. 2, lines 28-63).

For **claim 13**, Borden, as modified by Rothmuller and Anderson discloses the apparatus according to claim 11, further comprising an image processing designation unit configured to designate a type of image processing, and wherein the image processing unit executes image

processing of the type designated by the image processing designation unit at once for the plurality of photographed image data (Rothmuller pg. 2, pgphs. 0018-0024; Anderson col. 5, line 63 – col. 6, line 11; col. 8, lines 36-52; figs. 3 and 9).

14. **Claim 22** is rejected under 35 U.S.C. 103(a) as being unpatentable over Borden, IV (US Pat. App. Pub. #20020140820) in view of Rothmuller et al. (Pat. App. Pub. #20020033296).

For **claim 22**, Borden discloses the apparatus according to claim 1, further comprising inherently a scanner configured to scan an object image and output photographed image data (pg. 1, pgph. 0015 – inherent because Borden teaches that pictures are scanned), and wherein the memory records the photographed image data output from the scanner (pg. 1, pgphs. 0015-0016).

However, Borden does not expressly teach an/the image sensor as required in claim 22.

In a similar field of endeavor, Rothmuller discloses an apparatus comprising an image sensor configured to sense an object image and output photographed image data (pg. 2, pgph. 0017 – inherent because the apparatus includes a digital camera), and wherein the memory records the photographed image data output from the image sensor (pg. 2, pgph. 0017). In light of the teaching of Rothmuller, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the apparatus of Borden with the apparatus as recited in claim 22 in order to provide an apparatus with an improved means for storing and retrieving digital photographs and photographic information (Rothmuller, pg. 1, 0003-0006).

***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Carramah J. Quiett whose telephone number is (571)272-7316. The examiner can normally be reached on 8:00-5:00 M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Ometz can be reached on (571) 272-7593. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/David L. Ometz/  
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2622

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June 12, 2009